

46" BRAVIA® V Series LCD TV**Index:**[**Key Features**](#)[**Detailed Features**](#)[**Specifications**](#)[**Weights & Measures**](#)[**Supplied Accessories**](#)[**Optional Accessories**](#)[**Footnotes**](#)[**See Larger Image**](#)

With Full HD 1080p resolution and Motionflow™ 120Hz technology, Sony® BRAVIA® V-Series HDTVs are engineered for fast-action movies, sports, and games.

Key Features

- 16:9 Full HD 1080p Resolution Panel (1920x1080)
- Dynamic Contrast Ratio: 50,000:1
- Motionflow™ 120Hz technology
- USB with photos and music
- BRAVIA® Link compatibility
- BRAVIA® Engine™ 2 fully digital video processor
- HD input x 7
- BRAVIA® Sync capable³
- Advanced Contrast Enhancer w/ dynamic backlight control
- Light Sensor™ technology

Detailed Features

16:9 Full HD 1080p Resolution Panel (1920x1080)

16:9 Full HD 1080p resolution panel (1920x1080) accepts any HDTV signal and renders it with optimum resolution, so you can take full advantage of Blu-ray Disc™ players and Sony® PLAYSTATION® 3 entertainment systems that can deliver 1080p content.

Dynamic contrast

Dynamic contrast involves real-time image processing that results in deep blacks in darker scenes, as well as fine details in shadows and other dark areas of the picture for a difference you can truly see.

Motionflow™ 120Hz technology

Motionflow™ 120HZ technology doubles the frame rate to help remove judder in film sources,

HD content, and broadcast movies and primetime programming, creating smoother, more fluid motion that delivers a natural and realistic viewing experience.

BRAVIA Engine™ 2 fully digital video processor

The BRAVIA Engine 2 fully digital video processor uses a collection of unique Sony technologies to significantly reduce noise, enhance overall image detail, and optimize contrast so every scene produces sharp, vibrant, life-like images and color.

HD input x 7

Get versatile HD connection options with seven HD inputs. Four HDMI™ inputs (up to 1080/60p capable)¹ let you connect a Sony® PLAYSTATION®3 entertainment system, Blu-ray Disc™ player, or any other HDMI-capable equipment and get uncompressed digital video and multi-channel digital audio on a single cable.

An HD component input and an HD combo input (1080/60p capable) provide added HD-capable connectivity, and a PC input² (HD-15 pin) offers the added versatility of using your HDTV as a computer monitor.

USB with photos and music

Connect your camera, USB-enabled MP3 player, or USB storage device directly to your HDTV's USB input to view photos on the big screen or listen to your favorite MP3's.

BRAVIA® Link compatibility

BRAVIA Link compatibility expands your HDTV's capabilities by letting you connect optional BRAVIA Link modules, including the BRAVIA DVD Link, BRAVIA Wireless Link, and BRAVIA Input Link (all sold separately).

BRAVIA® Sync capable

BRAVIA Sync capability combines the one-touch

access and control functionality of BRAVIA Theatre Sync™ with the ability to control CEC-enabled Sony® Handycam® camcorders and Cyber-shot® digital still cameras using the TV's remote and an on-screen display. BRAVIA® Sync™ capable: BRAVIA Sync capability combines the one-touch access and control functionality of BRAVIA Theatre Sync™ with the ability to control CEC-enabled Sony® Handycam® camcorders and Cyber-shot® digital still cameras using the TV's remote and an on-screen display via an HDMI™ connecting.³

Advanced Contrast Enhancer w/ dynamic backlight control

This powerful combination of features adjusts the brightness of the backlight both to optimize image quality and reduce power consumption. It works in real time, controlling bright outdoor images and dark interior shots scene by scene for better video quality and a reduction in power use.

ENERGY STAR® 3.0 certified

Sony® V-series HDTVs exceed Energy Star 3.0 requirements by over 15% in Home Mode. In addition, they incorporate advanced power saving features such as Light Sensor® technology that adjusts backlight intensity based on ambient room lighting conditions and Dynamic Backlight Control that adjusts backlight intensity based on the brightness of the image on the screen.

Specifications

General

Television Type: Flat Panel LCD HDTV

General Features

Closed Captions (CC): Analog, Digital

On-Screen Display: Traditional

Finish (Surface Color): Piano Black

BRAVIA® Link Module support: DMX-DVD;
DMX-WL1; DMX-SW1

Display

Viewing Angle (Right/Left): 178 (89/89)

Viewing Angle (Up/Down): 178 (89/89)

On-screen Contrast Ratio: 5, 000:1

Dynamic Contrast Ratio: 50, 000:1

Screen Size (measured diagonally): 46"

Native Resolution: 1920 x 1080

Display Resolution: 1920 x 1080p (Full HD)

Panel Bit: 8-bit

Aspect Ratio: 16:9

Color Range (u'v'): 90 % of NTSC

Color Range (xy): 72% of NTSC

Display Features

Backlight Type: CCFL

Display Device: LCD

TV System

Tuner (Cable): Clear QAM

Tuner (Terrestrial): ATSC™ / NTSC

Channel Coverage: VHF: 2-13

UHF: 14-69

CATV (analog): 1-135

CATV (digital) : 1-135

TV System (Analog): M

Number of Tuners (Digital): 1(Hybrid)

TV System (Digital): ATSC

Color System: NTSC

Video

Video Signal: 1080/60p (HDMI™ / COMPONENT), 1080/60i, 1080/24p (HDMI™ ONLY), 720/60p, 480/60p, 480/60i

Video Features

Video Processing: BRAVIA Engine 2™
Technology

**CineMotion® Reverse 3:2 Pulldown
Technology:** Yes

Game Mode: Yes

Wide Mode: Full, Normal, Wide Zoom, Zoom,
Full Pixel

3D Comb Filter: Yes

Auto Wide: Yes

4:3 Default: Yes

24p True Cinema™ Technology: Yes

Picture Mode: Vivid, Standard, Cinema,
Custom, Photo-Vivid, Photo-Standard, Photo-
Original, Photo-Custom

Advanced Contrast Enhancer (ACE): Yes

Motionflow™ Technology: Motionflow™
120Hz

Audio

Audio Power Output: 20 W (10 W X 2)

Speakers (Total): 2

Speaker Configuration: 2.0

Audio Features

Digital Amplifier: Standard

Auto SAP: Yes

Auto Mute (on no signal): Yes

Steady Sound® Automatic Volume Control:
Yes

Audio Out: Fixed

Stereo System: MTS

Dolby®: Dolby® Digital (for broadcasting)

Alternate Audio (Digital): Yes

SRS®: SRS® TruSurround XT®

Sound Mode: Clear Voice, Dynamic, Custom, Standard

Convenience Features

Channel Jump: Yes

Favorite Channel: Standard

Multiple Language Display: English, Spanish, French

Info Banner: PSIP, XDS

Sleep Timer: Yes

Input Skip: Manual

Channel Surf: Yes

Channel Block (with password): Yes

Edit Channel Labels: Yes

Label Inputs: Yes

ID-1 Detection: Yes

On/Off Timer: Yes

USB Application(s): Photo Viewer (JPEG),
Music Player (MP3)

Theatre Mode (Theatre Button): Yes

Show/Hide Channels: Yes

Auto Shut-off: Yes

BRAVIA® Sync™: Yes

Parental Control: Yes

BRAVIA® Sync™ Menu Button: Yes (on
remote control)

Channel Labels: Yes

Auto Photo Mode: Yes (via USB)

On-Screen Clock: Yes

Picture Adjustments Lock: Yes

White Balance: RGB Gain/Bias

Start Up BRAVIA® Logo Display: Yes

Favorites Menu: Graphic

Inputs and Outputs

Component Video (Y/Pb/Pr) Input(s): 2 (Rear)
(1 Fix / 1 Selectable)

Composite Video Input(s): 2 (1 Side / 1 Rear
(Selectable))

Digital Audio Output(s): Optical Digital Output
- 1 (Rear)

RF Connection Input(s): 1 (Rear)

S-Video Input(s): 1 (Side)

Analog Audio Input(s) (Total): 5 (2 Side, 3
Rear)

Audio Out: 1 (Rear)

HDMI™ Connection(s) (Total): 4 (3 Side / 1
Rear)

PC In (D-Sub) + Audio In (Stereo Mini): 1
(Side) see owner's manual for supported timings

USB 2.0: 1 (Side)

HDMI™ PC Input: Yes (see owner's manual for supported timings)

S-Video Detection: Yes

AC Power Input: 1 (Rear)

Analog Audio Input(s) for HDMI™: 1 (Rear)

USB 1.1: 1 (Rear) (Service only)

Power

Power Consumption (in Standby): Less than 1W

Power Requirements (voltage): AC 120V

Power Requirements (frequency): 60HZ

Regulation and Standard Compliance

VESA® Hole Spacing Compatible: Yes

VESA® Hole Pitch: 300X300 M6/12-16MM

Service and Warranty Information

**Limited Warranty Term: 1 Year Labor / 1 Year
Parts**

Energy Saving & Efficiency

LightSensor™ Technology: Yes

Power Saving Modes: Yes

**Energy Star® compliant: Exceeds Energy Star
®Version 3.0**

Eco Settings: Yes

Dynamic Backlight Control: Yes

Backlight Off Mode: Yes

PC Power Management: Yes

**Estimated Annual Energy Consumption
(kWh): 357.96 kW**

Recycled & Recyclable Materials

Packaging Materials: Recycled Carton (more than 40%)

Printed Materials: FSC Certified

Energy Saving & Efficiency

Power Consumption (On Mode) for Energy Star: 195 W

Power Consumption (Standby Mode) for Energy Star: 0.30 W

Service and Warranty Information

Online Instruction Manual (Reference Book):
Yes

Power

Power Consumption (in Operation) max.: 245 W (max)

UPC Code

027242752955

Weights & Measurements

Weight (Approx.): 56.2 lbs. (25.5kg) with pedestal; 49.8 lbs. (22.6kg) without pedestal

Dimensions (Approx.): 44 1/4 x 30 1/2 x 12 3/4 in (1123 x 772 x 323mm) with pedestal; 44 1/4 x 28 5/8 x 3 7/8 in (1123 x 725 x 96mm) without pedestal

Packaging (Approx.): 54 3/8 x 33 3/8 x 8 3/8 in (1378 x 846 x 211mm)

Supplied Accessories

- Remote Control RM-YD028

- Batteries (Type AA x2)
- AC Power Cord (attached)
- Screws (4) for pedestal
- Operating Instructions
- Quick Setup Guide
- Warranty Card
- Table Top Stand (separate, pre-assembled)

Optional Accessories

- SU-WL500 Wallmount Bracket
- BRAVIA® DVD Link
- BRAVIA® Input Link
- BRAVIA® Wireless Link

Footnotes

1. HDMI™ connector required and sold separately.
2. Limited to resolutions supported by both the PC and the Sony® HDTV or is it HDTV. See Sony TV user's manual and PC documentation for the supported resolutions.

3. Works with other BRAVIA® Sync™ or Theatre Sync™ labeled home audio/video products when connected via HDMI.
 4. Check with your local TV station or cable company for details on accessing or subscribing to HD content.
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Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).

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For the latest information and to update spec sheets please visit:
www.sony.com/dealernetwork

